Manitoba Agriculture

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MANITOBA REGIONAL Corn PERFORMANCE TESTS · 1988

A Report on Tests of Commercial Hybrids

Sponsored by The Manitoba Corn Committee

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MANITOBA REGIONAL
CORN PERFORMANCE TESTS
1988

sponsored by the

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INTRODUCTION

The information contained in this report is based on 1988 field trials conducted by Agriculture Canada and the University of Manitoba. The Registration and Recommendation tests for both grain and silage hybrids were located at the following three locations:

Agriculture Canada Research Station, Brandon
Agriculture Canada Research Station, Morden
University of Manitoba, Graysville

The 1988 growing season was one for the records in terms of both heat and drought. Rainfall at critical periods of growth at Graysville resulted in a uniform high yielding test. Due to the extreme drought Morden data were not used for support of registration and recommendation. The season remained frost-free till after harvest at all three locations. A minimum of damage due to corn borer was experienced.

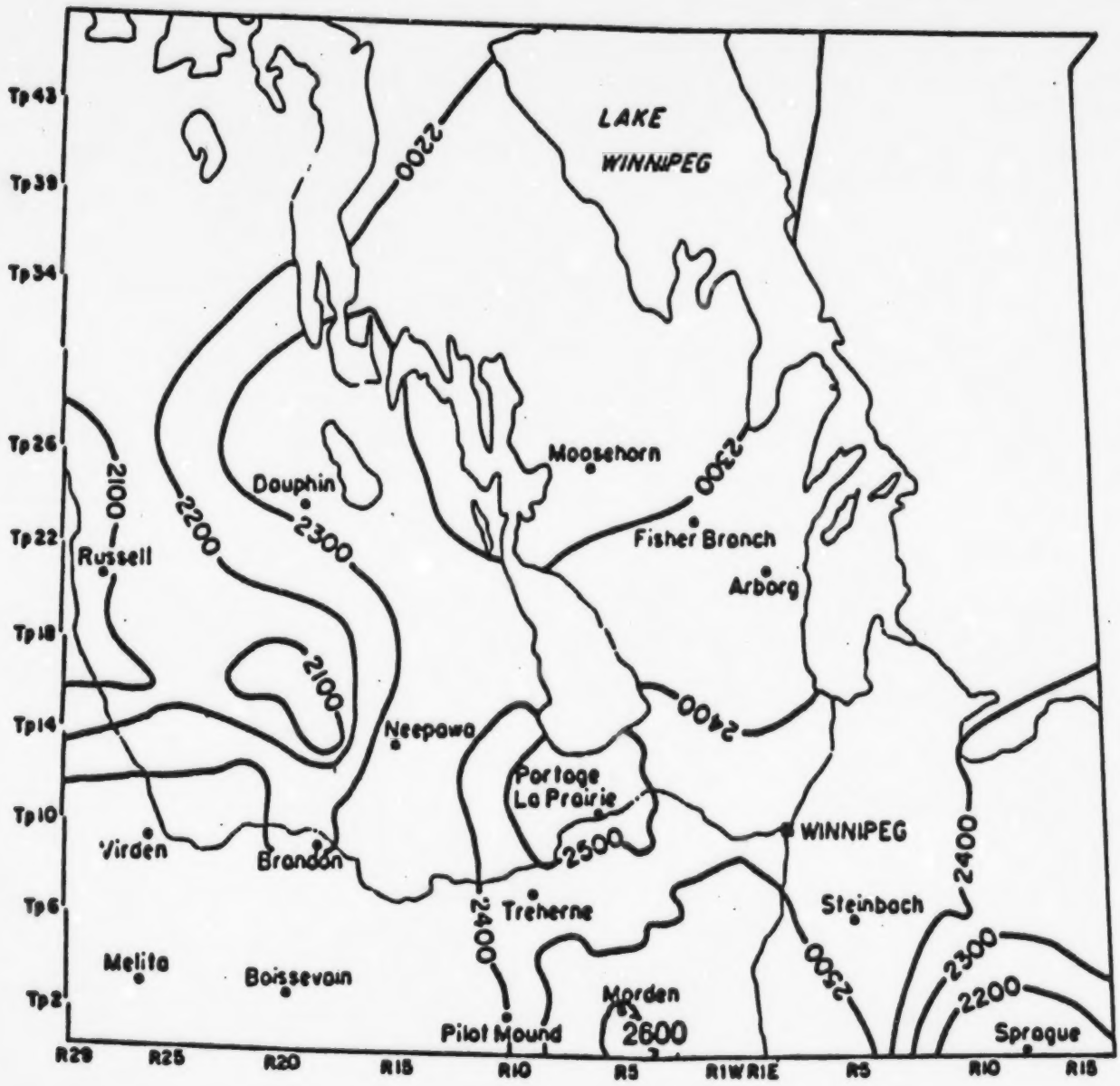
Stan Plett,
Chairman.

WEATHER INFORMATION

	Graysville		Brandon		Morden	
	1988	1951-80 (average)	1988	1951-80 (average)	1988	1951-80 (average)
Temperature (C)						
May	15.4	-	14.4	10.8	15.5	11.9
June	22.0	-	22.4	15.9	22.8	17.4
July	20.5	-	20.5	19.0	22.2	20.2
August	20.0	-	19.1	17.6	21.2	19.0
September	--	-	13.9	12.9	13.4	13.1
Precipitation (mm)						
May	41.0	-	43.0	47.4	21.4	66.3
June	40.0	-	18.0	79.1	43.0	75.8
July	107.5	-	102.0	73.0	42.8	73.2
August	4.0	-	22.0	64.5	20.8	71.1
September	49.0	-	56.0	45.5	37.2	51.9

Corn Heat Units from planting to first fall frost (or to harvest)

	1988	1951-80 (average)
Graysville	2894	--
Brandon	2689	2285
Morden	2960	2627



Average corn heat unit accumulation.

MANITOBA 1989 RECOMMENDATIONS

• Corn Hybrid Descriptions — Grain and Silage

Heat Unit Rating	Hybrid	Company	Hybrid Type[1]	Days to Silk	Stalk Breakage (%)	Root Lodging (%)	Grain Density[2] (% of checks)	Grain Moisture (%)	Grain Yield[3] (% of Checks)	Silage Yield[4] (% of mean)	Plant Moisture (%)
2150	DK 233	Dekalb	SC	70	9.1	0.6	104	31.6	95	N.T.	N.T.
	K730	King Agro	3W	73	4.3	3.3	102	28.2	96	103	63.7
	LG3	Limagrain	3W	70	3.5	4.8	99	32.2	98	N.T.	N.T.
	2435	Pickseed	3W	72	5.5	4.9	101	29.8	89	82	58.3
	3995	Pioneer	3W	70	5.2	2.6	101	30.6	93	N.T.	N.T.
2200	Coop 2350	U. Coop	OC	73	4.8	5.0	99	29.5	91	96	63.3
	DK235	Dekalb	OC	73	2.0	6.6	98	29.9	105	N.T.	N.T.
	G4017	Funk	3W	74	3.0	1.5	102	30.1	102	92	66.4
	HL3282*	Thompson	3W	71	5.3	2.9	99	31.3	105	98	59.6
	3996	Pioneer	3W	73	7.7	3.7	102	30.6	92	N.T.	N.T.
2250	Coop 6312	U.Coop	3W	74	4.9	0.9	97	30.8	98	99	63.4
	DK246	Dekalb	3W	75	4.5	11.5	97	33.3	92	N.T.	N.T.
	G4067*	Funk	3W	73	2.8	4.9	95	32.9	99	96	66.7
	G4083	Funk	SC	74	2.9	1.8	101	32.2	90	89	66.5
	MacRL211	UGG	3W	74	8.1	2.5	101	32.7	93	98	67.0
	PX9028	NK	3W	76	2.0	3.8	97	30.4	96	107	65.9
	2120	Pickseed	3W	72	6.6	3.8	95	33.5	93	93	63.3
	2477	Pickseed	3W	72	2.5	0.8	100	33.9	98	91	64.0
	3969	Pioneer	SC	73	4.5	0.9	97	32.6	111	N.T.	N.T.
	3979	Pioneer	SC	73	1.4	2.5	95	32.5	114	110	65.9
	SX104	Cargill	MSC	72	5.8	1.1	98	33.4	92	95	62.0
2300**	Coop2325	U.Coop	SC	76	3.1	5.3	97	30.7	92	113	63.0
	2555A	Pickseed	MSC	75	5.9	7.6	95	34.5	98	105	64.8
2350**	1111	King Agro	SC	75	5.4	0.9	95	33.5	97	103	63.8
	2240	Pickseed	MSC	76	2.2	3.2	100	34.0	92	101	67.3

• Corn Hybrid Descriptions – Silage only

Heat Unit Rating	Hybrid	Company	Hybrid Type[1]	Days to Silk	Root Lodging (%)	Silage Yield[4] (% of mean)	Plant Moisture (%)
2400	JX3*	Jacques	SC	77	1.6	109	66.6
	K1115	King Agro	MSC	77	0.6	98	67.9
	N1110	NK	3W	75	1.6	105	65.8
	3953	Pioneer	SC	76	0.9	107	67.7
2450	G4066	Funk	MSC	77	0.8	101	68.6
	HL2260	Thompson	SC	77	3.0	110	66.7
	3957	Pioneer	SC	77	1.3	108	67.1
	PX9060	NK	SC	77	0.6	102	66.4
	T778	Dekalb	MSC	78	7.2	109	66.0
2500	HL2428	Thompson	SC	80	1.7	122	69.6
	G4018	Funk	SC	81	4.2	128	71.7
	SX108*	Cargill	SC	80	0.9	114	68.1
	XL6	Dekalb	SC	80	0.8	101	69.2

*On recommended list for first time.
**Insurance coverage not available. Check with MCIC for coverage on lower heat unit varieties.
N.T. = Not Tested.
[1]SC = Single Cross; 3W = 3-Way Cross; MSC = Modified Single Cross; OC = Other Cross.
[2]Mean Grain Density (Checks) = 654 kg/m3 (52.4 lb/ac);
[3]Mean Grain Yield (Checks) = 4.11 t/ha (65.5 bu/ac);
[4]Mean Silage DM yield = 10.91 t/ha (4.42 t/ac).

Table 1. MCC Grain Corn Recommendation Summary -1985, 1986, 1987, 1988-

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
FUNK G4017	73	3.0	1.5	50.4	665	30.0	4.21	14.0
LIMAGRAIN LG3	69	3.4	4.7	48.7	647	32.1	4.02	12.4
PIONEER 3979	72	1.4	2.4	50.1	623	32.4	4.69	14.4
PIONEER 3995	69	5.2	2.6	49.9	658	30.5	3.82	12.4
PRIDE K730	73	4.2	3.2	50.4	668	28.2	3.95	13.9
MEANS OF CHECKS	71	3.5	3.0	49.9	653	30.6	4.11	13.4
CARGILL 810324	69	14.6	4.6	49.8	661	28.4	3.68	12.9
CARGILL LX150	66	4.5	0.0	50.2	657	27.8	2.84	10.2
CARGILL SX104	72	5.8	1.1	49.7	641	33.3	3.77	11.3
DEKALB DK233	70	9.0	0.6	49.4	678	31.5	3.90	12.3
DEKALB DK235	73	2.0	6.6	49.8	640	29.9	4.32	14.4
DEKALB DK246	74	4.5	11.4	48.6	637	33.3	3.80	11.3
DEKALB X603	72	11.7	1.2	49.8	630	34.3	4.21	12.2
FUNK G4067 (CIBA GEIGY N0004)	72	2.7	4.9	47.6	621	32.9	4.06	12.3
FUNK G4083	74	2.8	1.8	49.9	659	32.2	3.71	11.5
FUNK LX151	65	34.0	28.4	50.2	672	25.5	3.11	12.1
KING AGRO LX149	68	10.3	5.9	49.5	682	24.7	3.08	12.4
MBX005 (MORDEN 85-24)	69	9.2	2.3	47.4	661	26.7	3.39	12.6
NORTHRUP KING B20307	68	6.0	1.9	50.5	664	29.6	3.66	12.3
NORTHRUP KING 85-22	69	5.8	1.3	47.9	679	31.4	3.89	12.3
NORTHRUP KING PX9028	75	2.0	3.7	50.0	636	30.4	3.94	12.9
PICKSEED 2020	75	2.2	2.1	48.4	639	32.6	3.39	10.4
PICKSEED 2120	71	6.6	3.8	49.6	623	33.4	3.82	11.4
PICKSEED 2240	75	2.1	3.2	49.7	650	34.0	3.77	11.1
PICKSEED 2435	72	5.5	4.9	49.6	657	29.7	3.65	12.2
PICKSEED 2477	72	2.5	0.8	49.4	653	33.8	4.01	11.8
PICKSEED 2488	70	5.4	6.9	46.5	648	28.6	3.34	11.6
PICKSEED 2555A	75	5.8	7.6	49.1	623	34.4	4.02	11.6
PICKSEED DX828	74	10.3	0.0	50.1	647	32.0	3.76	11.7
PIONEER 3953	74	2.1	1.8	48.4	600	36.4	3.88	10.6
PIONEER 3969	72	4.4	0.8	50.2	632	32.6	4.55	13.9
PIONEER 3994	71	4.7	1.7	50.0	635	33.9	3.65	10.7
PIONEER 3996	72	7.7	3.7	50.7	669	30.6	3.78	12.3
PRIDE 1111	75	5.4	0.8	48.8	620	33.5	3.97	11.8
PRIDE K025	73	15.5	1.1	48.1	649	28.9	3.37	11.6
THOMPSON HL 3251	72	4.8	5.4	48.1	645	34.8	3.70	10.6
THOMPSON HL 3282	71	5.3	2.9	49.9	649	31.3	4.31	13.7
U.CO-OP 2325	75	3.1	5.3	49.8	633	30.7	3.79	12.3
U.CO-OP 2350	73	4.7	4.9	49.9	650	29.5	3.72	12.6
U.CO-OP 6312	74	4.8	0.9	50.0	636	30.7	4.02	13.0
UGG MAC RL211	74	8.1	2.5	50.8	661	32.7	3.81	11.6
UGG MAC RL215	76	1.9	2.1	49.9	645	34.5	3.61	10.4
UofM C84-18	71	8.8	0.5	50.1	663	30.5	3.76	12.3
UofM C85-5	71	11.3	1.0	50.8	641	31.4	3.84	12.2
MEAN	71	6.3	3.6	49.4	647	31.2	3.80	12.1

Table 2. MCC Grain Corn Registration Summary -1987, 1988-

VARIETY	DAYS 50% SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
FUNK G4017	71	2.6	0.0	49.3	714	25.0	4.70	18.7
LIMAGRAIN LG3	67	1.6	0.3	48.7	717	24.8	4.86	19.5
PIONEER 3979	69	0.9	0.1	48.7	694	26.0	5.52	21.2
PIONEER 3995	67	5.2	0.1	48.8	713	24.5	4.29	17.4
PRIDE K730	70	5.7	0.2	49.0	731	23.2	4.22	18.1
MEANS OF CHECKS	69	3.2	0.1	48.9	714	24.7	4.72	19.0
CARGILL 85127	71	2.9	0.0	48.9	697	23.9	4.18	17.4
CARGILL 85307	67	4.9	0.1	49.1	739	21.1	4.28	20.2
KING AGRO 7-8357	69	3.3	0.0	49.4	711	26.3	4.77	18.1
KING AGRO 7-8507	71	8.0	0.0	49.0	716	25.3	5.01	19.7
LETHBRIDGE LX153	63	2.3	0.0	49.1	712	20.9	3.52	16.7
MBX001 (BRANDON 841774)	68	2.2	1.2	49.1	698	25.1	4.51	17.9
MBX002 (BRANDON 841779)	66	5.8	0.1	48.3	692	22.9	3.98	17.3
MBX003 (BRANDON 841982)	68	2.4	0.0	48.9	711	23.2	4.04	17.4
MBX004 (BRANDON 841878)	66	2.8	0.2	49.4	716	23.2	4.31	18.5
MBX006 (MORDEN 87-07)	67	12.2	0.2	49.1	714	24.3	4.39	18.0
MBX007 (MORDEN 87-12)	67	3.1	0.0	48.9	708	25.5	4.86	18.9
MBX008 (MORDEN 87-13)	65	7.7	0.0	48.9	712	23.4	4.45	19.0
NORTHRUP KING C0187	70	3.1	0.2	48.6	706	24.1	4.17	17.2
PAYCO 1826	70	4.0	0.0	49.0	688	28.0	5.47	19.4
PICKSEED 820498	62	8.2	1.3	48.8	738	20.7	3.55	17.1
THOMPSON HL 8701	72	2.1	0.0	49.1	706	26.6	4.53	16.9
THOMPSON HL 8702	73	1.7	0.0	49.4	700	27.0	4.33	16.0
THOMPSON HL 8703	72	1.3	0.0	48.6	701	26.6	4.13	15.5
U.CO-OP 2335	69	8.7	0.0	48.3	695	22.4	4.11	18.2
UofM C86-1	69	5.3	0.1	49.1	715	22.8	4.06	17.7
UofM C86-3	67	3.8	0.0	48.0	697	25.6	4.37	17.0
UofM C86-6	67	16.2	0.0	48.4	711	24.8	4.29	17.3
MEAN	68	4.7	0.1	48.8	709	24.3	4.40	18.1

Table 3. MCC Grain Corn Trials -1988-

Mean of 2 sites: Brandon, Graysville

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
FUNK G4017	68	1.1	0.0	48.7	707	24.9	3.61	14.4
LIMAGRAIN LG3	66	0.8	0.0	48.5	706	25.7	4.48	17.4
PIONEER 3979	68	0.0	0.0	48.7	685	26.5	4.52	17.0
PIONEER 3995	64	2.4	0.0	48.6	708	23.5	3.88	16.4
PRIDE K730	67	3.7	0.0	48.6	721	23.2	3.46	14.8
MEANS OF CHECKS	66	1.6	0.0	48.6	706	24.8	3.99	16.0
CARGILL 8021	69	11.7	0.0	48.7	673	27.7	2.57	9.2
CARGILL 8022	73	7.5	0.0	48.8	674	29.0	3.97	13.6
CARGILL 8093	68	10.1	0.0	48.9	681	28.4	5.26	18.4
CARGILL 810324	65	5.1	0.0	48.7	712	22.5	3.38	15.0
CARGILL 84475	69	0.6	0.0	48.7	685	26.0	4.78	18.3
CARGILL 85127	68	0.6	0.0	48.7	681	23.9	3.31	13.8
CARGILL 85307	64	2.0	0.0	48.8	740	21.2	3.69	17.4
CARGILL 86008	73	0.0	0.0	48.7	676	28.5	3.75	13.1
CARGILL 86063	73	0.0	0.0	48.7	673	28.7	3.68	12.8
CARGILL 86069	77	0.0	0.0	48.6	644	32.2	3.53	10.9
CARGILL 86110	77	0.0	0.0	47.8	640	33.3	2.83	8.4
CARGILL LX150	64	1.0	0.0	48.7	717	22.9	2.99	13.0
CARGILL SX104	65	3.3	0.0	48.7	690	26.5	3.86	14.5
CONTISEED 8844	71	0.0	0.0	48.2	636	27.8	4.25	15.2
CONTISEED 8845	71	0.3	0.0	48.6	716	27.6	4.75	17.1
DEKALB CI800	68	1.9	0.5	47.8	713	27.0	3.58	13.2
DEKALB CI871	67	2.0	0.0	48.7	685	25.2	3.81	15.0
DEKALB CI873	67	1.2	0.0	48.7	634	27.9	3.19	11.4
DEKALB CI874	68	2.2	0.0	44.8	692	26.7	3.72	13.8
DEKALB CI875	65	2.5	0.0	48.7	716	25.5	3.72	14.6
DEKALB CI882	68	15.6	0.4	45.3	690	27.1	3.93	14.4
DEKALB DK233	67	4.4	0.0	48.8	716	25.0	4.32	17.2
DEKALB DK235	68	0.0	0.0	48.7	701	25.6	3.83	14.9
DEKALB DK246	68	0.2	0.0	47.2	681	27.4	3.60	13.1
DEKALB X603	68	9.0	0.0	48.7	669	28.6	3.80	13.2
FUNK G4067	66	0.2	0.0	48.6	675	25.6	3.84	14.9
FUNK G4083	71	0.0	0.0	48.7	706	26.0	2.66	10.2
FUNK LX151	62	26.2	0.1	48.7	730	20.9	3.09	14.7
KING AGRO 7-5988	64	6.4	0.0	48.8	701	23.9	4.96	20.7
KING AGRO 7-8357	66	2.6	0.0	48.7	704	25.6	4.20	16.3
KING AGRO 7-8507	68	5.8	0.0	48.7	714	24.8	4.72	19.0
KING AGRO 8-3966	66	1.9	0.0	48.7	685	26.5	4.67	17.5
KING AGRO 8-4476	70	12.2	0.0	48.7	693	27.2	3.67	13.4
KING AGRO 8-8354	67	1.9	0.0	48.7	700	26.0	4.27	16.4
KING AGRO 8-8356	67	3.2	0.0	48.7	692	26.3	3.86	14.6

3. CONT'D MCC Grain Corn Trials -1988-

Mean of 2 sites: Brandon, Graysville

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
KING AGRO LX149	64	5.4	0.0	48.7	732	20.8	2.85	13.7
LETHBRIDGE LX153	62	0.3	0.0	48.6	701	21.6	3.00	13.8
LETHBRIDGE LX160	64	0.5	0.0	48.5	706	23.3	3.61	15.5
LETHBRIDGE LX164	64	0.5	0.0	48.6	702	22.9	2.99	13.0
LETHBRIDGE LX165	63	0.0	0.0	48.6	715	23.5	3.19	13.5
LETHBRIDGE LX166	67	0.0	0.0	48.5	702	24.5	2.76	11.2
LETHBRIDGE LX167	66	0.8	0.0	48.6	704	24.6	3.40	13.8
LETHBRIDGE LX168	67	0.0	0.0	48.6	701	26.1	3.21	12.2
LETHBRIDGE LX169	67	0.0	0.0	48.7	673	26.2	3.39	12.9
LETHBRIDGE LX170	65	0.7	0.0	48.6	722	23.9	3.39	14.1
LETHBRIDGE LX171	64	0.7	0.0	48.6	707	23.7	3.45	14.5
LETHBRIDGE LX172	61	1.9	0.0	48.6	715	21.8	2.68	12.2
MBX001 (BRANDON 841774)	66	0.0	0.0	48.6	690	25.1	3.85	15.3
MBX002 (BRANDON 841779)	64	1.5	0.0	48.6	680	22.8	3.36	14.6
MBX003 (BRANDON 841982)	66	0.8	0.0	48.6	702	22.6	3.16	13.9
MBX004 (BRANDON 841878)	63	1.4	0.0	48.6	696	22.9	3.63	15.8
MBX005 (MORDEN 85-24)	62	12.9	0.0	48.6	732	20.3	3.05	14.9
MBX006 (MORDEN 87-07)	64	9.1	0.0	48.5	712	23.0	3.80	16.5
MBX007 (MORDEN 87-12)	66	0.2	0.0	48.5	694	26.8	4.67	17.4
MBX008 (MORDEN 87-13)	63	4.8	0.0	48.6	707	22.4	3.78	16.8
MBX009	66	0.5	0.0	48.6	689	25.1	3.74	14.8
MBX010	63	1.4	0.0	48.6	728	21.7	3.13	14.3
MBX011	66	0.1	0.0	48.6	690	23.2	4.22	18.1
MBX012	62	0.5	0.0	48.6	718	20.2	3.85	18.9
MBX013	64	2.3	0.0	48.6	691	20.3	3.97	19.4
MBX014	65	0.8	0.0	48.6	684	22.8	4.13	18.0
MBX015	64	1.3	0.0	48.6	729	20.7	3.28	15.8
MBX016	66	2.1	0.0	47.9	685	23.7	3.96	16.6
NORTHRUP KING B20307	63	3.5	0.0	49.1	721	22.8	3.62	15.8
NORTHRUP KING B5-22	64	1.8	0.0	47.3	700	25.1	3.96	15.7
NORTHRUP KING C0187	68	1.2	0.0	48.8	690	25.0	2.90	11.5
NORTHRUP KING PX9028	73	0.0	0.0	47.5	690	25.9	3.24	12.4
OTTAWA OX897	65	0.1	0.0	48.4	719	19.7	3.35	16.9
OTTAWA OX898	64	0.0	0.0	48.5	741	21.1	3.29	15.5
OTTAWA OX899	65	0.3	0.0	48.6	713	24.3	3.46	14.1
OTTAWA OX900	68	0.3	0.0	48.6	717	25.1	3.41	13.5
OTTAWA OX901	70	0.2	0.0	48.8	703	27.4	3.80	13.8
PAYCO 1727	65	4.1	0.0	48.6	699	28.9	5.05	17.4
PAYCO 1826	68	3.7	0.0	48.6	691	26.8	4.56	17.0
PAYCO 6107	66	8.6	0.0	48.6	675	28.2	5.08	17.9
PAYCO 612C	67	0.0	0.0	48.6	702	30.1	3.92	13.0
PAYCO 663C	68	3.1	0.0	48.6	705	27.7	4.31	15.5
PICKSEED 2020	71	0.2	0.0	43.5	680	25.7	2.17	8.4
PICKSEED 2120	66	8.2	0.0	48.7	675	28.5	3.90	13.6

3. CONT'D MCC Grain Corn Trials -1988-

Mean of 2 sites: Brandon, Graysville

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
PICKSEED 2240	71	0.0	0.0	48.2	689	27.4	3.65	13.2
PICKSEED 2435	69	4.3	0.0	48.7	704	24.9	3.07	12.3
PICKSEED 2477	66	1.0	0.0	48.7	688	26.9	4.43	16.4
PICKSEED 2488	64	2.4	0.0	48.7	707	22.0	3.09	14.0
PICKSEED 2555A	71	7.6	0.0	48.7	685	26.8	4.27	15.9
PICKSEED 52-261	66	3.0	0.0	48.8	713	24.2	3.39	13.9
PICKSEED 52-262	68	0.4	0.0	48.8	717	23.4	2.62	11.2
PICKSEED 62-20A	67	0.4	0.0	48.8	701	25.4	3.47	13.6
PICKSEED 62-21	67	0.2	0.0	48.8	719	24.1	3.51	14.5
PICKSEED 62-63	67	0.0	0.0	48.8	709	27.2	4.69	17.2
PICKSEED 820498	61	5.2	0.1	48.7	734	20.4	3.34	16.3
PICKSEED OX828	69	10.7	0.0	48.7	691	26.1	2.94	11.2
PIONEER 3953	70	0.0	0.0	48.9	650	30.1	3.57	11.8
PIONEER 3969	67	0.2	0.0	48.7	691	24.2	4.89	20.1
PIONEER 3994	67	3.3	0.0	48.7	672	27.1	3.76	13.8
PIONEER 3996	66	4.1	0.0	48.7	706	22.2	3.23	14.5
PIONEER X7754	65	2.2	0.0	48.8	673	28.4	4.74	16.6
PIONEER XCB31	72	0.0	0.0	48.8	680	29.2	3.83	13.1
PIONEER XCC34	67	0.4	0.0	48.8	707	27.3	3.78	13.8
PIONEER XCC58	69	0.0	0.0	48.8	683	30.0	4.54	15.0
PIONEER XCD68	71	0.0	0.0	48.8	669	30.4	3.60	11.8
PIONEER XCPC72	72	0.0	0.0	48.8	670	28.0	2.87	10.2
PRIDE 1111	70	2.9	0.0	48.7	684	27.2	4.42	16.2
PRIDE K025	69	25.4	0.0	48.7	712	21.8	3.40	15.5
THOMPSON HL 3251	66	3.1	0.0	48.6	698	26.1	3.83	14.6
THOMPSON HL 3282	67	5.0	0.0	48.8	687	25.9	3.56	13.7
THOMPSON HL 8701	69	0.4	0.0	48.8	695	26.2	3.47	13.2
THOMPSON HL 8702	70	0.2	0.0	48.8	688	25.9	3.14	12.0
THOMPSON HL 8703	69	0.4	0.0	48.8	693	26.1	3.13	11.9
THOMPSON HL 8801	69	0.0	0.0	48.8	710	24.1	4.04	16.6
THOMPSON HL 8802	68	0.6	0.0	48.8	702	23.4	3.28	14.0
TOKACHI HINODEWASE	67	1.3	0.0	48.6	683	29.8	3.17	10.6
U.CO-OP 2325	69	0.7	0.0	48.7	716	23.1	3.23	13.9
U.CO-OP 2335	67	6.2	0.0	47.6	691	21.3	3.27	15.3
U.CO-OP 2350	67	4.8	0.0	48.8	687	23.7	3.00	12.6
U.CO-OP 6312	68	3.2	0.0	48.7	695	26.1	3.79	14.5
UGG MAC RL211	69	5.1	0.0	48.8	677	26.9	3.05	11.3
UGG MAC RL215	71	0.6	0.0	48.7	694	27.0	3.16	11.6
UofM C84-18	66	7.9	0.0	48.7	718	24.4	3.68	15.0
UofM C85-5	65	12.6	0.0	48.7	708	23.5	3.49	14.8
UofM C86-1	66	1.8	0.0	48.7	708	22.4	3.36	14.9
UofM C86-12	67	2.2	0.0	48.8	718	23.0	3.11	13.5
UofM C86-3	65	3.1	0.0	48.8	686	25.7	3.88	15.0
UofM C86-6	66	12.1	0.0	48.8	695	24.8	3.52	14.1

3. CONT'D MCC Grain Corn Trials -1988-

Mean of 2 sites: Brandon, Graysville

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
UofM C87-2	65	2.3	0.0	48.7	696	25.4	3.67	14.4
UofM C87-3	66	0.4	0.0	48.8	713	24.3	3.39	13.9
UofM C87-4	67	13.6	0.0	48.8	696	25.0	4.05	16.1
UofM C87-6	66	3.8	0.0	48.8	691	24.6	3.12	12.6
UofM C87-7	67	2.6	0.0	48.8	692	24.4	3.09	12.6
UofM C87-8	66	6.8	0.0	48.8	674	24.9	2.91	11.6
UofM C87-9	68	2.4	0.0	48.8	673	26.9	3.32	12.3
UofM T84-49	68	2.0	0.0	48.8	694	24.8	4.22	16.9
UofM T84-55	71	6.7	0.0	48.8	701	26.6	3.74	14.0
MEAN	67	2.7	0.0	48.5	697	25.4	3.80	14.9

Table 4. MCC Silage Corn Recommendation Summary -1985, 1986, 1987, 1988-

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
CARGILL 84131	79	0.0	2.1	56.5	67.0	12.65	18.8
CARGILL SX104	72	9.0	2.7	49.4	62.0	10.31	16.6
CARGILL SX108	79	1.0	0.8	50.0	68.1	12.45	18.2
DEKALB DK291	72	0.8	17.6	51.4	64.0	10.22	15.9
DEKALB T778	78	2.6	7.2	48.4	65.9	11.92	18.0
DEKALB XL6	79	1.0	0.7	48.9	69.2	10.99	15.8
FUNK G4017	73	5.4	3.2	49.1	66.3	10.07	15.1
FUNK G4018	81	0.7	4.2	49.1	71.6	13.94	19.4
FUNK G4066	76	3.2	0.7	50.2	68.5	11.04	16.1
FUNK G4067 (CIBA GEIGY N0004)	73	2.5	2.2	48.3	66.7	10.47	15.6
FUNK G4083	74	9.0	0.5	49.4	66.4	9.70	14.5
JACQUES JX3	77	2.3	1.5	49.1	66.5	11.91	17.8
NORTHRUP KING N1110	75	1.4	1.6	49.1	65.8	11.43	17.3
NORTHRUP KING PX9028	75	3.1	1.7	48.3	65.8	11.69	17.7
NORTHRUP KING PX9060	77	1.6	0.5	48.5	66.3	11.07	16.6
PICKSEED 2020	76	2.0	5.7	46.7	67.0	9.28	13.8
PICKSEED 2120	72	2.0	4.3	48.3	63.3	10.16	16.0
PICKSEED 2240	76	7.8	2.8	49.0	67.3	11.06	16.4
PICKSEED 2435	71	7.9	2.9	47.9	58.3	8.92	15.2
PICKSEED 2444	75	1.5	1.3	49.1	63.4	10.32	16.2
PICKSEED 2477	71	0.7	0.0	49.6	63.9	9.97	15.5
PICKSEED 2488	70	12.7	2.5	47.2	57.0	8.41	14.7
PICKSEED 2555A	75	4.6	2.7	47.5	64.8	11.49	17.7
PICKSEED OX828	73	4.1	0.0	50.2	67.9	9.04	13.3
PIONEER 3851	76	0.8	0.0	50.2	68.0	11.16	16.4
PIONEER 3902	72	0.8	0.0	50.7	59.3	11.38	19.1
PIONEER 3929	73	0.0	2.2	49.2	65.5	10.50	16.0
PIONEER 3953	76	1.0	0.8	50.5	67.7	11.66	17.2
PIONEER 3957	77	3.5	1.3	49.7	67.0	11.80	17.6
PIONEER 3979	72	2.4	2.1	49.3	65.8	11.96	18.1
PRIDE 1111	76	1.6	0.3	49.0	63.7	11.27	17.6
PRIDE K025	72	5.2	20.2	47.6	56.4	8.73	15.4
PRIDE K035	74	3.6	1.7	47.9	64.8	10.64	16.4
PRIDE K1115	76	0.5	0.5	49.2	67.9	10.74	15.8
PRIDE K730	73	3.7	2.1	49.8	63.6	11.19	17.5

4. CONT'D MCC Silage Corn Recommendation Summary -1985, 1986, 1987, 1988-

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
THOMPSON HL 2260	77	0.9	3.0	48.9	66.7	11.99	17.9
THOMPSON HL 2275	81	0.0	2.2	48.9	70.3	12.15	17.2
THOMPSON HL 2428	80	7.7	1.7	49.5	69.5	13.28	19.0
THOMPSON HL 3282	72	3.5	1.3	49.2	61.4	10.70	17.4
U.CO-OP 2325	76	4.8	2.3	48.4	63.0	12.27	19.4
U.CO-OP 2335	73	8.0	1.4	50.6	58.6	9.10	15.5
U.CO-OP 2350	74	6.0	1.5	48.9	63.2	10.47	16.5
U.CO-OP 6312	75	20.1	0.7	48.7	63.4	10.83	17.0
UGG MAC RL211	74	9.8	1.1	49.5	66.9	10.64	15.8
UGG MAC RL215	76	9.2	0.9	47.7	68.0	10.06	14.7
MEAN	74	4.0	2.5	49.2	65.1	10.91	16.7

Table 5. MCC Silage Corn Trials -1988-

Mean of 2 sites: Brandon, Morden

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
CARGILL 84131	72	0.0	0.9	57.8	64.5	11.53	17.8
CARGILL SX104	65	11.8	0.9	50.0	58.0	7.98	13.7
CARGILL SX108	72	2.9	0.0	51.0	67.2	11.25	16.7
DEKALB DK291	65	0.9	7.7	52.5	61.7	9.32	15.0
DEKALB T778	70	4.0	10.1	52.8	63.1	11.21	17.7
DEKALB XL6	72	0.0	0.0	52.7	68.3	9.85	14.4
FUNK G4017	65	0.9	0.0	51.8	64.1	8.12	12.6
FUNK G4018	75	1.9	0.0	51.3	72.6	10.83	14.9
FUNK G4066	69	0.0	0.0	50.3	63.2	9.93	15.7
FUNK G4067 (CIBA GEIGY N0004)	64	0.9	0.0	51.0	65.0	8.57	13.1
FUNK G4083	69	6.0	0.0	51.2	63.1	7.64	12.0
JACQUES JX3	67	2.0	0.0	50.1	63.5	9.72	15.2
NORTHRUP KING N1110	66	1.9	0.9	48.4	61.7	8.70	14.0
NORTHRUP KING PX9028	70	2.9	0.9	51.0	67.1	8.26	12.2
NORTHRUP KING PX9060	69	0.0	0.0	50.3	63.4	9.15	14.4
PICKSEED 2020	69	0.0	0.0	42.6	63.8	6.05	9.4
PICKSEED 2120	63	3.1	2.0	48.1	61.0	8.49	13.9
PICKSEED 2240	67	4.9	0.0	50.9	63.7	8.42	13.2
PICKSEED 2435	64	2.9	0.0	46.9	53.9	6.93	12.8
PICKSEED 2444	65	0.0	0.0	51.5	58.6	8.70	14.8
PICKSEED 2477	63	0.9	0.0	48.6	59.6	8.27	13.8
PICKSEED 2488	60	13.4	0.0	53.7	47.5	7.00	14.7
PICKSEED 2555A	67	4.0	0.9	50.7	60.8	10.52	17.3
PICKSEED OX828	66	4.9	0.0	51.3	65.4	8.24	12.6
PIONEER 3851	69	0.9	0.0	51.3	65.5	10.17	15.5
PIONEER 3902	65	0.9	0.0	51.8	57.1	10.36	18.1
PIONEER 3929	66	0.0	1.0	50.3	63.0	9.57	15.1
PIONEER 3953	70	0.0	1.0	51.5	65.5	9.69	14.7
PIONEER 3957	69	0.0	0.0	52.5	60.5	9.53	15.7
PIONEER 3979	66	1.0	2.0	49.3	62.9	10.87	17.2
PRIDE 1111	68	1.9	0.0	51.8	60.2	9.35	15.5
PRIDE K025	64	5.8	2.0	50.0	52.1	7.16	13.7
PRIDE K035	66	9.7	2.0	46.6	60.2	9.27	15.3
PRIDE K1115	68	0.9	0.9	50.5	64.6	9.60	14.8
PRIDE K730	65	11.4	1.0	50.2	59.4	9.33	15.7

5. CONT'D MCC Silage Corn Trials -1988-

Mean of 2 sites: Brandon, Morden

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
THOMPSON HL 2260	68	1.9	0.0	51.0	64.8	10.15	15.6
THOMPSON HL 2275	73	0.0	1.0	50.0	67.7	11.07	16.3
THOMPSON HL 2428	74	3.0	0.9	50.7	70.4	10.23	14.5
THOMPSON HL 3282	65	0.9	1.9	52.0	57.3	8.71	15.1
U.CO-OP 2325	67	9.9	0.0	51.0	55.6	9.68	17.4
U.CO-OP 2335	65	1.1	0.0	53.4	57.0	7.75	13.5
U.CO-OP 2350	64	3.2	2.0	50.8	57.7	8.55	14.8
U.CO-OP 6312	66	0.9	0.9	50.5	61.3	9.56	15.5
UGG MAC RL211	66	5.1	0.0	50.2	64.1	9.67	15.0
UGG MAC RL215	68	4.0	0.0	50.0	65.0	8.54	13.1
MEAN	67	2.9	0.9	50.7	62.0	9.18	14.8

Appendix 1. MANITOBA GRAIN CORN TEST #1 -1988-

Agriculture Canada Research Station, Brandon, Manitoba

Date Seeded: May 13, 1988 Plot Size: 5.2m X 1.5m
Date Harvested: September 15, 1988

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
FUNK G4017	69	3.7	0.0	46.1	696	27.9	1.55	5.5
LIMAGRAIN L63	67	0.0	0.0	45.5	694	26.8	2.62	9.7
PIONEER 3979	72	0.0	0.0	46.1	679	29.6	2.70	9.1
PIONEER 3995	65	8.3	0.0	46.1	688	26.0	2.37	9.0
PRIDE K730	67	7.0	0.0	46.0	702	24.3	1.64	6.7
MEANS OF CHECKS	68	3.8	0.0	46.0	692	26.9	2.17	8.0
CARGILL 810324	66	10.1	0.0	46.1	696	25.0	1.80	7.1
CARGILL LX150	66	4.8	0.0	46.1	698	25.3	1.31	5.1
CARGILL SX104	68	1.8	0.0	46.1	690	28.2	2.18	7.7
DEKALB DK233	70	0.0	0.0	46.2	701	28.0	2.62	9.3
DEKALB DK235	71	0.0	0.0	46.1	687	29.1	1.70	5.8
DEKALB DK246	71	0.9	0.0	46.3	674	30.3	1.68	5.5
DEKALB X603	70	0.9	0.0	46.1	686	30.4	2.10	6.9
FUNK G4067	70	0.9	0.0	46.0	671	28.0	2.10	7.5
FUNK G4083	74	0.0	0.0	46.1	695	27.1	1.03	3.7
KING AGRO LX149	66	4.6	0.0	46.1	712	23.1	1.11	4.8
NORTHRUP KING 820307	65	2.5	0.0	46.8	706	25.3	2.03	8.0
NORTHRUP KING 85-22	66	8.3	0.0	46.1	696	27.1	2.30	8.4
NORTHRUP KING PX9028	79	0.0	0.0	46.1	673	29.1	1.43	4.9
PICKSEED 2020	73	1.1	0.0	43.5	656	27.6	0.96	3.4
PICKSEED 2120	67	3.7	0.0	46.1	680	28.7	2.33	8.1
PICKSEED 2240	72	0.0	0.0	46.0	682	28.0	2.02	7.2
PICKSEED 2435	70	6.4	0.9	46.1	699	24.9	1.44	5.8
PICKSEED 2477	67	4.6	0.0	46.1	678	28.5	2.85	10.0
PICKSEED 2488	65	11.1	0.0	46.1	687	25.2	1.74	6.8
PICKSEED 2555A	71	0.9	0.0	46.1	682	29.6	2.23	7.5
PICKSEED OX828	71	1.8	0.0	46.1	695	27.8	1.30	4.6
PIONEER 3953	74	0.0	0.0	46.5	648	31.1	1.84	5.9
PIONEER 3969	70	0.9	0.0	46.2	674	25.9	3.05	11.7
PIONEER 3994	69	1.8	0.0	46.1	665	29.9	2.04	6.8
PIONEER 3996	66	5.5	0.0	46.1	689	24.7	1.70	6.9
PRIDE 1111	71	0.0	0.0	46.1	686	30.5	2.74	8.9
PRIDE K025	71	14.8	0.0	46.1	690	26.0	1.88	7.2
THOMPSON HL 3251	67	14.4	1.0	45.9	688	28.7	1.91	6.6
THOMPSON HL 3282	67	9.7	0.0	46.2	681	28.8	1.62	5.6
UGG MAC RL211	71	3.3	0.0	46.2	672	28.8	1.47	5.1
UGG MAC RL215	73	2.7	0.0	46.1	694	28.2	1.80	6.3
MEAN	69	3.8	0.0	46.0	686	27.6	1.92	6.9
C.V.	2	118.4	794.1	1.8	2	7.4	24.66	28.5
LSD	3	7.2	0.7	1.3	25	3.2	0.76	3.2

Appendix 2. MANITOBA GRAIN CORN TEST #2 -1988-

Agriculture Canada Research Station, Brandon, Manitoba

Date Seeded: May 13, 1988 Plot Size: 5.2m X 1.5m
Date Harvested: September 15, 1988

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
FUNK G4017	71	0.9	0.0	46.1	692	28.9	1.53	5.2
LIMAGRAIN LG3	69	0.9	0.9	46.1	692	29.0	2.74	9.4
PIONEER 3995	66	1.8	0.0	46.3	687	25.2	2.66	10.5
PIONEER 3979	71	0.0	0.0	46.1	673	30.3	2.25	7.4
PRIDE K730	70	1.9	0.0	45.9	695	27.1	1.19	4.3
MEANS OF CHECKS	69	1.1	0.1	46.1	688	28.1	2.07	7.3
CARGILL 8021	72	7.4	0.0	46.1	625	31.6	0.85	2.6
CARGILL 8022	77	1.5	0.0	46.3	658	33.2	2.07	6.2
CARGILL 8093	71	3.4	0.0	46.4	667	31.9	3.38	10.5
CARGILL 84475	73	0.9	0.0	46.1	675	29.1	2.90	9.9
CARGILL 85127	72	0.9	0.0	46.1	657	25.9	1.60	6.1
CARGILL 85307	67	2.7	0.0	46.3	703	25.1	2.11	8.4
CARGILL 86008	77	0.0	0.0	46.1	662	33.8	1.80	5.3
CARGILL 86063	76	0.0	0.0	46.1	666	30.8	1.98	6.4
CARGILL 86069	80	0.0	0.0	45.9	623	37.1	1.80	4.8
CARGILL 86110	80	0.0	0.0	46.1	649	33.5	1.10	3.2
DEKALB CI800	71	0.9	2.9	44.4	702	29.5	1.77	6.0
DEKALB CI871	69	1.1	0.0	46.1	688	25.0	2.01	8.0
DEKALB CI873	68	0.0	0.0	46.1	681	29.5	1.73	5.8
DEKALB CI874	71	0.9	0.0	46.1	681	30.5	2.22	7.2
DEKALB CI875	67	0.0	0.0	46.1	687	29.2	2.11	7.2
DEKALB CI882	71	7.0	2.0	44.0	679	29.4	2.42	8.2
FUNK LX151	63	22.2	0.9	46.1	707	23.4	1.36	5.8
KING AGRO 7-5988	65	1.8	0.0	46.2	697	26.0	3.36	12.9
KING AGRO 7-8357	69	1.8	0.0	46.1	679	28.1	2.33	8.2
KING AGRO 7-8507	71	2.7	0.0	46.0	686	28.4	2.86	10.0
KING AGRO 8-3966	68	0.9	0.0	46.1	665	28.9	3.02	10.4
KING AGRO 8-4476	73	4.6	0.0	46.1	664	30.6	1.83	5.9
KING AGRO 8-8354	72	0.9	0.0	46.1	673	29.5	2.61	8.8
KING AGRO 8-8356	70	2.7	0.0	46.1	675	28.9	2.13	7.3
PICKSEED 820498	62	5.5	0.9	46.1	704	22.0	1.97	8.9
U.CO-OP 2325	72	1.0	0.0	46.0	700	25.0	1.27	5.0
U.CO-OP 2335	68	5.0	0.0	44.0	686	23.4	1.67	7.1
U.CO-OP 2350	70	3.1	0.0	46.2	683	27.0	1.05	3.8
U.CO-OP 6312	71	0.9	0.0	46.1	671	29.0	1.98	6.8
UofM C84-18	67	9.2	0.0	46.1	708	25.6	1.91	7.4
UofM C85-5	66	15.7	0.0	46.1	690	25.1	1.54	6.1
MEAN	70	3.1	0.2	45.9	679	28.5	2.03	7.1
C.V.	3	158.6	367.0	2.3	3	9.1	35.22	43.6
LSD	3	7.8	1.2	1.7	34	4.1	1.14	5.1

Appendix 3. MANITOBA GRAIN CORN TEST #3 -1988-

Agriculture Canada Research Station, Brandon, Manitoba

Date Seeded: May 13, 1988
Date Harvested: September 15, 1988

Plot Size: 5.2m X 1.5m

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
FUNK G4017	69	3.0	0.0	46.1	688	27.5	1.55	5.6
LIMAGRAIN LG3	66	0.9	0.0	46.1	700	28.4	3.77	13.2
PIONEER 3995	65	7.4	0.0	46.1	695	24.4	1.87	7.6
PIONEER 3979	70	0.0	0.0	46.1	683	28.9	3.09	10.6
PRIDE K730	69	10.4	0.0	46.1	706	25.6	1.66	6.5
MEANS OF CHECKS	68	4.3	0.0	46.1	694	26.9	2.39	8.8
LETHBRIDGE LX153	63	1.8	0.0	46.1	705	21.3	1.21	5.6
LETHBRIDGE LX160	64	2.9	0.0	45.9	687	25.7	2.11	8.1
LETHBRIDGE LX164	65	2.7	0.0	46.1	700	24.1	1.22	5.0
LETHBRIDGE LX165	64	0.0	0.0	46.1	713	24.6	1.47	5.9
LETHBRIDGE LX166	68	0.0	0.0	45.9	691	26.4	0.91	3.4
LETHBRIDGE LX167	67	4.6	0.0	46.1	692	26.0	1.56	5.9
LETHBRIDGE LX168	72	0.0	0.0	46.1	688	27.3	1.90	6.9
LETHBRIDGE LX169	69	0.0	0.0	46.2	687	27.5	1.51	5.4
LETHBRIDGE LX170	68	3.9	0.0	46.1	702	27.1	1.69	6.2
LETHBRIDGE LX171	66	3.7	0.0	46.1	698	25.4	1.62	6.3
LETHBRIDGE LX172	65	10.1	0.0	46.1	699	24.1	1.19	4.9
MBX001 (BRANDON 841774)	67	0.0	0.0	46.0	694	27.1	2.34	8.6
MBX002 (BRANDON 841779)	64	8.3	0.0	46.1	684	23.6	1.90	8.0
MBX003 (BRANDON 841982)	66	4.6	0.0	46.1	678	24.1	1.87	7.7
MBX004 (BRANDON 841878)	64	7.4	0.0	46.1	692	24.1	2.22	9.1
MBX005 (MORDEN 85-24)	63	26.8	0.0	46.1	712	20.6	1.59	7.7
MBX006 (MORDEN 87-07)	65	6.8	1.0	45.9	704	24.7	2.47	10.0
MBX007 (MORDEN 87-12)	69	1.0	0.0	45.9	691	28.0	3.08	11.0
MBX008 (MORDEN 87-13)	64	25.9	0.0	46.1	702	22.1	2.44	11.0
MBX009	69	2.7	0.9	46.1	694	26.5	2.28	8.5
MBX010	64	7.4	0.0	46.1	706	23.6	1.46	6.1
MBX011	68	0.9	0.0	46.1	687	22.1	2.77	12.5
MBX012	61	2.7	0.0	46.1	717	20.9	2.58	12.3
MBX013	64	12.4	0.0	46.1	686	21.1	2.28	10.7
MBX014	65	4.6	0.0	46.1	682	22.3	2.45	10.9
MBX015	64	7.1	0.0	46.1	721	21.4	1.78	8.3
MBX016	66	11.4	0.0	44.8	691	22.5	2.29	10.1
OTTAWA OX897	65	0.9	1.1	45.6	712	20.5	1.85	9.0
OTTAWA OX898	63	0.0	0.0	45.9	726	21.5	1.74	8.0
OTTAWA OX899	65	1.8	0.0	46.1	705	25.3	1.81	7.1
OTTAWA OX900	71	1.8	0.0	46.1	704	27.6	1.67	6.0
MEAN	66	5.2	0.0	46.0	697	24.6	1.98	8.0
C.V.	2	83.6	664.7	0.5	2	7.2	21.98	23.0
LSD	2	6.9	0.9	0.3	25	2.8	0.70	3.0

Appendix 4. MANITOBA GRAIN CORN TEST #4 -1988-

Agriculture Canada Research Station, Brandon, Manitoba

Date Seeded: May 13, 1988
Date Harvested: September 15, 1988

Plot Size: 5.2m X 1.5m

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
FUNK G4017	68	5.5	0.0	46.1	694	27.6	1.89	6.8
LIMAGRAIN L63	65	3.7	0.0	46.1	698	27.2	2.43	8.9
PIONEER 3995	65	6.3	0.0	45.5	703	25.7	2.02	7.8
PIONEER 3979	68	0.0	0.0	46.2	695	28.0	3.13	11.1
PRIDE K730	67	3.4	0.0	45.4	726	23.2	1.38	5.9
MEANS OF CHECKS	66	3.8	0.0	45.9	703	26.3	2.17	8.2
NORTHRUP KING C0187	69	5.5	0.9	46.1	690	26.4	0.98	3.7
OTTAWA OX901	71	0.9	0.0	46.1	695	28.4	1.82	6.3
PICKSEED 52-261	67	13.8	0.0	46.1	697	27.1	1.63	6.0
PICKSEED 52-262	69	1.8	0.0	46.1	702	25.4	1.05	4.1
PICKSEED 62-20A	69	1.8	0.0	46.1	707	25.6	1.39	5.4
PICKSEED 62-21	67	0.9	0.0	46.1	726	25.5	1.68	6.5
PICKSEED 62-63	67	0.0	0.9	46.1	704	27.7	2.77	9.9
PIONEER X7754	64	10.1	0.0	46.1	655	28.5	3.24	11.3
PIONEER XCB31	72	0.0	0.0	46.1	687	29.2	2.30	7.8
PIONEER XCC34	67	1.9	0.0	46.1	705	27.9	2.08	7.4
PIONEER XCC58	70	0.0	0.0	46.1	680	30.5	2.58	8.4
PIONEER XCD68	72	0.0	0.0	46.1	682	30.0	1.69	5.6
PIONEER XCPC72	73	0.0	0.0	46.1	670	28.8	1.19	4.1
THOMPSON HL 8701	71	1.8	0.0	46.1	686	28.5	1.53	5.3
THOMPSON HL 8702	72	0.9	0.0	46.1	696	26.5	1.19	4.4
THOMPSON HL 8703	71	1.9	0.0	46.1	685	24.9	1.25	5.0
THOMPSON HL 8801	68	0.0	0.0	46.1	708	25.9	1.89	7.2
THOMPSON HL 8802	69	2.7	0.0	46.1	694	24.0	1.25	5.2
UofM T84-49	70	9.2	0.0	46.1	687	26.1	2.27	8.7
UofM T84-55	73	3.7	0.0	46.1	694	28.9	1.99	6.8
UofM C86-1	65	8.3	0.0	46.1	699	22.5	2.01	8.9
UofM C86-3	64	14.5	0.0	46.1	689	27.4	2.06	7.5
UofM C86-6	66	28.7	0.0	46.1	677	25.1	2.02	8.0
UofM C86-12	68	10.1	0.0	46.1	701	24.7	1.41	5.6
UofM C87-2	65	10.7	0.0	46.0	692	26.1	2.12	8.1
UofM C87-3	67	1.8	0.0	46.1	694	27.1	1.94	7.1
UofM C87-4	67	26.8	0.0	46.1	694	26.0	2.36	9.0
UofM C87-6	65	17.5	0.0	46.1	690	24.8	1.48	5.9
UofM C87-7	67	12.0	0.0	46.1	684	26.1	1.32	5.0
UofM C87-8	66	31.4	0.0	46.1	642	25.7	1.45	5.6
UofM C87-9	68	11.1	0.0	46.1	677	28.1	1.50	5.3
MEAN	68	6.9	0.0	46.1	692	26.7	1.85	6.9
C.V.	2	109.8	792.6	0.7	2	5.3	29.04	30.5
LSD	2	12.2	0.6	0.5	28	2.3	0.86	3.3

Appendix 5. MANITOBA GRAIN CORN TEST #5 -1988-

Agriculture Canada Research Station, Brandon, Manitoba

Date Seeded: May 13, 1988
Date Harvested: September 15, 1988

Plot Size: 5.2m X 1.5m

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
FUNK G4017	71	3.7	0.0	46.1	700	25.7	1.88	7.3
LIMAGRAIN L63	66	0.0	0.0	46.1	711	28.8	3.25	11.2
PIONEER 3995	65	1.8	0.0	46.0	702	25.0	2.45	9.8
PIONEER 3979	70	0.0	0.0	46.1	665	28.5	2.48	8.6
PRIDE K730	71	5.5	0.0	46.1	716	24.5	1.82	7.3
MEANS OF CHECKS	69	2.2	0.0	46.1	699	26.5	2.38	8.9
CONTISEED 8844	74	0.0	0.0	45.3	557	28.9	2.46	8.4
CONTISEED 8845	74	0.9	0.0	46.1	708	28.3	2.70	9.5
PAYCO 1727	67	11.1	0.0	46.1	694	30.1	3.19	10.5
PAYCO 1826	69	10.1	0.0	46.1	685	27.1	2.81	10.3
PAYCO 6107	69	7.4	0.0	46.1	665	29.5	3.21	10.8
PAYCO 6120	70	0.0	0.0	46.1	696	31.0	2.22	7.1
PAYCO 6630	71	8.3	0.0	46.1	695	27.8	2.41	8.6
TOKACHI HINODEWASE	69	3.7	0.9	46.1	673	31.0	2.08	6.7
MEAN	70	4.0	0.0	46.0	681	28.2	2.51	8.9
C.V.	1	107.6	624.5	0.8	10	5.4	28.92	29.2
LSD	1	6.9	0.7	0.6	112	2.4	1.16	4.1

Appendix 6. MANITOBA GRAIN CORN TEST #1 -1988-

University of Manitoba, Graysville Site

Date Seeded: May 10, 1988
Date Harvested: September 23, 1988

Plot Size: 9.1m X 0.75m

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
FUNK G4017	66	0.0	-99.0	51.3	708	22.7	5.82	25.5
LIMAGRAIN L63	66	0.0	-99.0	51.3	721	23.4	4.83	20.6
PIONEER 3995	62	2.8	-99.0	51.3	725	21.4	4.60	21.5
PIONEER 3979	66	0.0	-99.0	51.3	688	26.8	5.41	20.1
PRIDE K730	66	3.8	-99.0	51.3	749	20.7	4.81	23.1
MEANS OF CHECKS	65	1.3	-99.0	51.3	718	23.0	5.09	22.1
CARGILL 810324	64	1.9	-99.0	51.3	727	20.3	4.40	21.6
CARGILL LX150	62	0.0	-99.0	51.3	735	20.8	4.56	21.8
CARGILL SX104	63	1.9	-99.0	51.3	688	25.2	4.72	18.7
DEKALB DK233	65	2.8	-99.0	51.3	731	22.4	4.86	21.6
DEKALB DK235	66	0.0	-99.0	51.3	715	22.7	5.78	25.3
DEKALB DK246	66	0.0	-99.0	47.9	687	25.0	5.24	20.8
DEKALB X603	66	5.7	-99.0	51.3	649	27.2	4.77	17.5
FUNK G4067	63	0.0	-99.0	51.3	678	23.7	4.89	20.6
FUNK G4083	68	0.0	-99.0	51.3	716	25.2	4.37	17.3
KING AGRO LX149	63	2.8	-99.0	51.3	752	18.8	4.68	24.7
NORTHRUP KING 820307	62	1.9	-99.0	51.3	735	20.7	4.46	21.5
NORTHRUP KING 85-22	62	0.0	-99.0	48.3	702	23.5	4.71	20.0
NORTHRUP KING PX9028	67	0.0	-99.0	48.8	707	23.2	4.91	21.1
PICKSEED 2020	69	0.0	-99.0	43.2	703	24.1	3.28	13.5
PICKSEED 2120	65	4.7	-99.0	51.3	668	28.4	4.47	15.7
PICKSEED 2240	69	0.0	-99.0	50.3	695	27.0	4.57	16.9
PICKSEED 2435	68	1.9	-99.0	51.3	707	25.0	4.47	17.8
PICKSEED 2477	66	0.0	-99.0	51.3	697	25.7	4.61	17.9
PICKSEED 2488	63	0.0	-99.0	51.3	727	19.3	3.82	19.7
PICKSEED 2555A	70	4.7	-99.0	51.3	688	24.5	5.65	23.0
PICKSEED OX828	67	6.6	-99.0	51.3	685	24.7	4.45	18.0
PIONEER 3953	66	0.0	-99.0	51.3	651	29.4	4.77	16.2
PIONEER 3969	65	0.0	-99.0	51.3	707	22.8	5.33	23.3
PIONEER 3994	65	1.9	-99.0	51.3	677	24.8	4.81	19.3
PIONEER 3996	66	1.9	-99.0	51.3	722	20.2	4.26	21.0
PRIDE 1111	68	1.9	-99.0	51.3	680	24.5	4.84	19.7
PRIDE K025	68	14.2	-99.0	51.3	733	18.3	4.27	23.3
THOMPSON HL 3251	66	0.0	-99.0	51.3	708	24.0	5.28	21.9
THOMPSON HL 3282	66	1.9	-99.0	51.3	692	23.5	5.28	22.4
UGG MAC RL211	67	2.8	-99.0	51.3	680	25.4	4.34	17.0
UGG MAC RL215	68	0.0	-99.0	51.3	694	26.1	3.86	14.7
MEAN	65	1.8	-99.0	50.9	703	23.6	4.74	20.0
C.V.	194	240.2	-99.0	4.2	3	7.0	12.17	15.3
LSD	205	7.1	-99.0	3.4	35	2.6	0.92	5.0

Appendix 7. MANITOBA GRAIN CORN TEST #2 -1988-

University of Manitoba, Graysville Site

Date Seeded: May 10, 1988
Date Harvested: September 23, 1988

Plot Size: 9.1m X 0.75m

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
FUNK G4017	66	0.9	-99.0	51.3	743	20.7	6.08	29.3
LIMAGRAIN L63	65	2.0	-99.0	50.3	715	23.5	5.23	22.2
PIONEER 3995	64	0.9	-99.0	51.3	714	21.6	5.13	23.6
PIONEER 3979	65	0.0	-99.0	51.3	667	24.1	6.20	25.7
PRIDE K730	65	3.8	-99.0	51.3	714	22.6	5.67	25.0
MEANS OF CHECKS	65	1.5	-99.0	51.1	711	22.5	5.66	25.1
CARGILL 8021	67	4.7	-99.0	51.3	709	24.9	4.95	19.8
CARGILL 8022	71	4.7	-99.0	51.3	677	26.1	5.60	21.3
CARGILL 8093	67	5.7	-99.0	51.3	681	26.1	5.67	21.6
CARGILL 84475	67	0.0	-99.0	51.3	682	24.0	5.64	23.4
CARGILL 85127	66	0.0	-99.0	51.3	694	22.7	5.01	22.0
CARGILL 85307	62	0.0	-99.0	51.3	764	18.4	4.70	25.5
CARGILL 86008	72	0.0	-99.0	51.3	679	24.7	5.73	23.1
CARGILL 86063	71	0.0	-99.0	51.3	666	27.5	5.03	18.2
CARGILL 86069	75	0.0	-99.0	51.3	654	28.8	5.11	17.7
CARGILL 86110	75	0.0	-99.0	49.3	618	33.7	5.02	14.8
DEKALB CI800	66	0.9	-99.0	51.3	711	25.4	5.33	20.9
DEKALB CI871	66	0.9	-99.0	51.3	669	25.9	5.32	20.5
DEKALB CI873	67	0.9	-99.0	51.3	675	27.1	4.31	15.8
DEKALB CI874	66	1.1	-99.0	43.0	689	24.1	4.48	18.5
DEKALB CI875	64	1.9	-99.0	51.3	731	22.8	4.79	20.9
DEKALB CI882	67	7.9	-99.0	46.4	688	25.6	4.53	17.6
FUNK LX151	63	7.6	-99.0	51.3	740	19.2	5.05	26.2
KING AGRO 7-5988	64	3.8	-99.0	51.3	692	22.6	4.88	21.5
KING AGRO 7-8357	65	0.9	-99.0	51.3	718	24.0	5.53	22.9
KING AGRO 7-8507	67	2.8	-99.0	51.3	730	22.3	5.57	24.9
KING AGRO 8-3966	65	0.9	-99.0	51.3	693	25.0	4.98	19.9
KING AGRO 8-4476	68	6.6	-99.0	51.3	709	25.0	5.39	21.5
KING AGRO 8-8354	64	0.9	-99.0	51.3	714	23.5	4.97	21.0
KING AGRO 8-8356	65	0.9	-99.0	51.3	696	24.6	5.12	20.7
PICKSEED 820498	62	0.9	-99.0	51.3	751	19.4	4.09	21.0
U.CO-OP 2325	68	0.0	-99.0	51.3	719	21.9	5.70	26.0
U.CO-OP 2335	67	1.9	-99.0	51.3	684	20.0	4.73	23.6
U.CO-OP 2350	66	1.9	-99.0	51.3	678	21.5	5.64	26.2
U.CO-OP 6312	67	1.9	-99.0	51.3	707	24.1	5.34	22.1
UofM C84-18	66	0.9	-99.0	51.3	715	23.8	5.21	21.8
UofM C85-5	66	0.9	-99.0	51.3	712	22.7	5.70	25.0
MEAN	66	1.9	-99.0	50.8	700	23.9	5.21	21.7
C.V.	0	167.6	-99.0	3.2	4	7.0	6.80	10.6
LSD	0	5.2	-99.0	2.6	45	2.7	0.57	3.7

Appendix 8. MANITOBA GRAIN CORN TEST #3 -1988-

University of Manitoba, Graysville Site

Date Seeded: May 10, 1988 Plot Size: 9.1m X 0.75m
Date Harvested: September 23, 1988

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
FUNK 64017	66	0.0	-99.0	51.3	734	21.8	6.00	27.4
LIMAGRAIN L63	65	0.0	-99.0	51.3	728	21.4	5.33	24.8
PIONEER 3995	65	0.0	-99.0	51.3	731	22.0	5.41	24.5
PIONEER 3979	65	0.0	-99.0	51.3	717	22.1	6.28	28.3
PRIDE K730	66	0.0	-99.0	51.3	748	21.5	5.91	27.3
MEANS OF CHECKS	65	0.0	-99.0	51.3	732	21.8	5.79	26.5
LETHBRIDGE LX153	62	0.0	-99.0	51.3	711	20.7	5.77	27.8
LETHBRIDGE LX160	65	0.0	-99.0	51.3	741	20.1	5.38	26.7
LETHBRIDGE LX164	63	0.0	-99.0	51.3	718	20.8	5.72	27.4
LETHBRIDGE LX165	63	0.0	-99.0	51.3	732	21.5	5.68	26.3
LETHBRIDGE LX166	66	0.0	-99.0	51.3	727	21.8	5.81	26.6
LETHBRIDGE LX167	65	0.0	-99.0	51.3	731	22.2	6.08	27.3
LETHBRIDGE LX168	63	0.0	-99.0	51.3	729	23.9	4.69	19.6
LETHBRIDGE LX169	65	0.0	-99.0	51.3	672	23.9	6.17	25.8
LETHBRIDGE LX170	63	0.0	-99.0	51.3	758	20.1	5.73	28.4
LETHBRIDGE LX171	62	0.0	-99.0	51.3	730	21.1	6.06	28.7
LETHBRIDGE LX172	57	0.0	-99.0	51.3	746	18.9	4.91	26.0
MBX001 (BRANDON 841774)	65	0.0	-99.0	51.3	700	22.3	5.51	24.6
MBX002 (BRANDON 841779)	64	0.0	-99.0	51.3	689	21.1	5.13	24.3
MBX003 (BRANDON 841982)	67	0.0	-99.0	51.3	742	20.3	4.64	22.8
MBX004 (BRANDON 841878)	62	0.0	-99.0	51.3	715	20.7	5.15	24.8
MBX005 (MORDEN 85-24)	61	3.8	-99.0	51.3	769	19.0	4.98	26.1
MBX006 (MORDEN 87-07)	63	3.8	-99.0	51.3	735	20.4	5.06	24.7
MBX007 (MORDEN 87-12)	64	0.0	-99.0	51.3	712	24.4	6.09	24.9
MBX008 (MORDEN 87-13)	63	0.0	-99.0	51.3	726	21.6	5.06	23.3
MBX009	64	0.0	-99.0	51.3	697	22.7	5.33	23.4
MBX010	63	0.0	-99.0	51.3	766	19.1	5.53	28.8
MBX011	65	0.0	-99.0	51.3	708	22.9	5.54	24.1
MBX012	63	0.0	-99.0	51.3	733	18.6	4.93	26.4
MBX013	64	0.0	-99.0	51.3	710	18.7	6.00	32.0
MBX014	65	0.0	-99.0	51.3	701	22.1	6.05	27.3
MBX015	64	0.0	-99.0	51.3	753	19.1	5.18	27.1
MBX016	66	0.0	-99.0	51.3	692	23.6	5.94	25.1
OTTAWA OX897	65	0.0	-99.0	51.3	740	18.2	5.24	28.7
OTTAWA OX898	65	0.0	-99.0	51.3	772	19.8	5.33	26.8
OTTAWA OX899	65	0.0	-99.0	51.3	735	22.3	5.65	25.2
OTTAWA OX900	66	0.0	-99.0	51.3	745	21.9	5.84	26.6
MEAN	64	0.2	-99.0	51.3	727	21.2	5.53	26.0
C.V.	1	792.6	-99.0	-99.0	2	5.9	7.12	9.5
LSD	1	2.6	-99.0	-99.0	33	2.0	0.63	3.9

Appendix 9. MANITOBA GRAIN CORN TEST #4 -1988-

University of Manitoba, Graysville Site

Date Seeded: May 10, 1988 Plot Size: 9.1m X 0.75m
Date Harvested: September 23, 1988

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
FUNK G4017	67	0.0	-99.0	51.3	700	23.3	5.92	25.3
LIMAGRAIN L63	64	0.0	-99.0	51.3	705	24.7	5.99	24.2
PIONEER 3995	63	0.0	-99.0	51.3	730	21.1	5.82	27.4
PIONEER 3979	65	0.0	-99.0	51.3	700	22.7	6.01	26.4
PRIDE K730	66	0.0	-99.0	51.3	763	20.0	7.54	37.7
MEANS OF CHECKS	65	0.0	-99.0	51.3	720	22.3	6.26	27.9
NORTHRUP KING C0187	66	0.0	-99.0	51.3	701	22.8	6.26	27.4
OTTAWA OX901	67	0.0	-99.0	51.3	724	25.3	6.64	26.1
PICKSEED 52-261	63	0.0	-99.0	51.3	742	20.6	5.93	28.7
PICKSEED 52-262	65	0.0	-99.0	51.3	745	20.6	5.19	25.1
PICKSEED 62-20A	63	0.0	-99.0	51.3	708	24.0	6.87	28.5
PICKSEED 62-21	65	0.0	-99.0	51.3	725	21.8	6.15	28.1
PICKSEED 62-63	65	0.0	-99.0	51.3	727	25.6	6.73	26.2
PIONEER X7754	65	0.0	-99.0	51.3	702	27.0	5.52	20.3
PIONEER XCB31	70	0.0	-99.0	51.3	685	28.0	5.39	19.2
PIONEER XCC34	66	0.0	-99.0	51.3	722	25.6	5.87	22.8
PIONEER XCC58	67	0.0	-99.0	51.3	698	28.4	6.79	23.9
PIONEER XCD68	69	0.0	-99.0	51.3	666	29.4	6.42	21.8
PIONEER XCPC72	70	0.0	-99.0	51.3	681	26.0	5.56	21.3
THOMPSON HL 8701	66	0.0	-99.0	51.3	715	23.1	6.46	27.8
THOMPSON HL 8702	66	0.0	-99.0	51.3	691	24.3	6.40	26.2
THOMPSON HL 8703	66	0.0	-99.0	51.3	712	26.1	6.21	23.8
THOMPSON HL 8801	68	0.0	-99.0	51.3	725	21.5	7.20	33.4
THOMPSON HL 8802	65	0.0	-99.0	51.3	722	21.8	6.68	30.5
UofM T84-49	66	0.0	-99.0	51.3	712	22.7	6.69	29.4
UofM T84-55	68	2.8	-99.0	51.3	720	23.4	5.98	25.4
UofM C86-1	65	0.0	-99.0	51.3	728	21.4	4.76	22.2
UofM C86-3	65	0.0	-99.0	51.3	694	23.2	6.23	26.8
UofM C86-6	65	2.8	-99.0	51.3	725	23.5	5.23	22.1
UofM C86-12	65	0.0	-99.0	51.3	747	20.5	5.71	27.7
UofM C87-2	65	0.0	-99.0	51.3	712	23.7	5.40	22.7
UofM C87-3	64	0.0	-99.0	51.3	744	20.8	5.03	24.1
UofM C87-4	65	3.8	-99.0	51.3	710	23.1	5.89	25.5
UofM C87-6	65	0.0	-99.0	51.3	704	23.3	5.51	23.6
UofM C87-7	66	0.0	-99.0	51.3	712	21.9	5.88	26.8
UofM C87-8	64	0.0	-99.0	51.3	719	23.1	4.96	21.4
UofM C87-9	66	0.0	-99.0	51.3	680	24.7	6.07	24.5
MEAN	66	0.2	-99.0	51.3	714	23.6	6.02	25.5
C.V.	1	670.3	-99.0	-99.0	2	5.2	7.34	10.3
LSD	1	2.8	-99.0	-99.0	30	1.9	0.71	4.2

Appendix 10. MANITOBA GRAIN CORN TEST #5 -1988-

University of Manitoba, Graysville Site

Date Seeded: May 10, 1988 Plot Size: 9.1m X 0.75m
Date Harvested: September 23, 1988

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
FUNK G4017	67	0.0	-99.0	51.3	714	23.4	6.44	27.5
LIMAGRAIN LG3	65	0.0	-99.0	51.3	699	24.1	5.27	21.8
PIONEER 3995	63	0.0	-99.0	51.3	706	22.4	5.53	24.6
PIONEER 3979	66	0.0	-99.0	51.3	688	24.2	6.11	25.2
PRIDE K730	67	0.0	-99.0	51.3	696	22.8	6.34	27.7
MEANS OF CHECKS	65	0.0	-99.0	51.3	701	23.4	5.94	25.3
CONTISEED 8844	70	0.0	-99.0	51.3	705	26.9	6.50	24.1
CONTISEED 8845	70	0.0	-99.0	51.3	711	27.2	7.40	27.1
PAYCO 1727	64	0.0	-99.0	51.3	692	28.0	7.07	25.1
PAYCO 1826	68	0.0	-99.0	51.3	687	26.6	6.55	24.6
PAYCO 6107	65	2.8	-99.0	51.3	674	27.3	7.10	25.9
PAYCO 612C	65	0.0	-99.0	51.3	698	29.4	6.11	20.7
PAYCO 663C	68	0.0	-99.0	51.3	702	27.8	6.83	24.5
TOKACHI HINODEWASE	66	0.0	-99.0	51.3	682	28.9	4.27	14.7
MEAN	66	0.2	-99.0	51.3	696	26.1	6.27	24.0
C.V.	1	624.5	-99.0	-99.0	2	4.9	6.34	9.3
LSD	1	2.2	-99.0	-99.0	32	2.0	0.64	3.6

Appendix 11. MANITOBA SILAGE CORN TEST #1 -1988-

Agriculture Canada Research Station, Brandon, Manitoba

Date Seeded: May 13, 1988 Plot Size: 7.2m X 0.75m
Date Harvested: August 30, 1988

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
CARGILL 84131	79	-99.0	-99.0	59.0	70.7	8.71	12.3
CARGILL SX104	76	-99.0	-99.0	48.1	68.3	6.19	9.0
CARGILL SX108	78	-99.0	-99.0	48.1	74.1	8.64	11.6
DEKALB DK291	75	-99.0	-99.0	50.0	69.5	6.58	9.4
DEKALB T778	76	-99.0	-99.0	48.1	70.1	7.80	11.1
DEKALB XL6	80	-99.0	-99.0	48.1	73.5	7.34	9.9
FUNK G4017	73	-99.0	-99.0	48.1	71.1	6.11	8.5
FUNK G4018	82	-99.0	-99.0	48.1	76.5	6.97	9.1
FUNK G4066	77	-99.0	-99.0	48.2	71.0	6.75	9.5
FUNK G4067	72	-99.0	-99.0	48.1	70.5	6.49	9.2
FUNK G4083	78	-99.0	-99.0	48.1	73.6	5.33	7.2
JACQUES JX3	73	-99.0	-99.0	49.2	70.4	7.46	10.6
NORTHRUP KING N1110	74	-99.0	-99.0	45.0	69.5	7.03	10.1
NORTHRUP KING PX9028	79	-99.0	-99.0	48.1	75.1	5.55	7.3
NORTHRUP KING PX9060	75	-99.0	-99.0	48.1	71.0	7.15	10.0
PICKSEED 2020	76	-99.0	-99.0	42.5	75.0	4.42	5.8
PICKSEED 2120	72	-99.0	-99.0	46.3	70.0	6.54	9.3
PICKSEED 2240	76	-99.0	-99.0	44.4	73.3	5.51	7.5
PICKSEED 2435	74	-99.0	-99.0	40.7	65.0	5.10	7.8
PICKSEED 2444	74	-99.0	-99.0	50.6	70.3	6.67	9.4
PICKSEED 2477	70	-99.0	-99.0	48.1	66.9	6.50	9.7
PICKSEED 2488	66	-99.0	-99.0	48.1	58.6	5.56	9.4
PICKSEED 2555A	74	-99.0	-99.0	48.1	68.9	8.64	12.5
PICKSEED OX828	74	-99.0	-99.0	48.1	70.7	6.37	9.0
PIONEER 3851	77	-99.0	-99.0	48.1	72.2	7.33	10.1
PIONEER 3902	71	-99.0	-99.0	48.1	66.7	7.50	11.2
PIONEER 3929	74	-99.0	-99.0	48.1	71.2	7.15	10.0
PIONEER 3953	79	-99.0	-99.0	48.1	73.4	7.79	10.6
PIONEER 3957	76	-99.0	-99.0	48.1	71.4	7.10	9.9
PIONEER 3979	74	-99.0	-99.0	48.1	70.8	8.68	12.2
PRIDE 1111	75	-99.0	-99.0	48.1	68.8	7.80	11.3
PRIDE K025	72	-99.0	-99.0	48.1	65.5	6.03	9.2
PRIDE K035	73	-99.0	-99.0	43.5	69.6	7.56	10.8
PRIDE K1115	75	-99.0	-99.0	48.1	71.9	7.22	10.0
PRIDE K730	70	-99.0	-99.0	48.1	68.9	6.98	10.1
THOMPSON HL 2260	74	-99.0	-99.0	48.1	70.7	7.96	11.2
THOMPSON HL 2275	80	-99.0	-99.0	48.1	73.4	8.23	11.2
THOMPSON HL 2428	82	-99.0	-99.0	48.1	74.9	7.18	9.5
THOMPSON HL 3282	71	-99.0	-99.0	48.1	65.7	7.25	11.0
U.CO-OP 2325	74	-99.0	-99.0	48.1	66.5	7.32	11.0
U.CO-OP 2335	72	-99.0	-99.0	48.1	65.6	6.09	9.2
U.CO-OP 2350	70	-99.0	-99.0	48.1	66.0	6.60	9.9
U.CO-OP 6312	75	-99.0	-99.0	48.1	70.9	7.78	10.9
UGG MAC RL211	73	-99.0	-99.0	48.1	68.8	8.23	11.9
UGG MAC RL215	75	-99.0	-99.0	47.6	72.2	6.44	8.9
MEAN	75	-99.0	-99.0	47.9	70.2	6.95	9.9
C.V.	3	-99.0	-99.0	5.4	2.7	16.96	19.1
LSD	4	-99.0	-99.0	4.1	3.1	1.89	3.0

Appendix 12. MANITOBA SILAGE CORN TEST #1 -1988-

Agriculture Canada Research Station, Morden, Manitoba

Date Seeded: May 16, 1988 Plot Size: 9.0m X 0.75m
Date Harvested: September 3, 1988

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
CARGILL 84131	65	0.0	0.9	56.1	57.7	14.43	24.9
CARGILL SX104	55	11.8	0.9	51.9	48.4	9.74	20.1
CARGILL SX108	66	2.9	0.0	54.0	59.9	13.86	23.1
DEKALB DK291	57	0.9	7.7	55.0	53.8	12.40	23.0
DEKALB T778	64	4.0	10.1	57.7	55.8	15.11	27.0
DEKALB XL6	64	0.0	0.0	57.6	62.2	12.50	20.0
FUNK G4017	57	0.9	0.0	55.6	56.9	10.21	17.9
FUNK G4018	67	1.9	0.0	54.5	67.5	15.50	22.9
FUNK G4066	61	0.0	0.0	52.3	55.3	13.65	24.6
FUNK G4067	57	0.9	0.0	54.0	58.9	10.71	18.1
FUNK G4083	60	6.0	0.0	54.4	53.2	10.27	19.3
JACQUES JX3	61	2.0	0.0	50.9	56.4	11.99	21.2
NORTHRUP KING N1110	59	1.9	0.9	51.9	53.9	10.16	18.8
NORTHRUP KING PX9028	62	2.9	0.9	54.0	59.0	11.45	19.4
NORTHRUP KING PX9060	63	0.0	0.0	52.4	55.6	11.07	19.8
PICKSEED 2020	63	0.0	0.0	42.4	53.3	7.81	14.6
PICKSEED 2120	55	3.1	2.0	49.8	52.2	10.44	19.9
PICKSEED 2240	59	4.9	0.0	57.8	54.5	11.90	21.8
PICKSEED 2435	55	2.9	0.0	53.5	43.7	8.90	20.3
PICKSEED 2444	57	0.0	0.0	52.3	47.9	10.74	22.4
PICKSEED 2477	56	0.9	0.0	48.8	52.2	9.95	19.0
PICKSEED 2488	55	13.4	0.0	59.6	37.6	8.34	22.1
PICKSEED 2555A	59	4.0	0.9	53.4	52.6	12.06	22.9
PICKSEED OX828	58	4.9	0.0	54.5	59.3	10.09	17.0
PIONEER 3851	62	0.9	0.0	54.5	58.4	13.31	22 7
PIONEER 3902	59	0.9	0.0	55.6	48.0	13.51	28.1
PIONEER 3929	59	0.0	1.0	52.4	54.9	12.11	22.0
PIONEER 3953	61	0.0	1.0	55.0	57.5	11.38	19.7
PIONEER 3957	63	0.0	0.0	57.2	50.3	12.10	24.0
PIONEER 3979	58	1.0	2.0	50.4	54.9	12.87	23.4
PRIDE 1111	61	1.9	0.0	55.6	51.7	10.52	20.3
PRIDE K025	56	5.8	2.0	51.9	40.3	7.98	19.7
PRIDE K035	60	9.7	2.0	49.8	51.2	10.71	20.9
PRIDE K1115	60	0.9	0.9	53.0	57.1	12.07	21.1
PRIDE K730	59	11.4	1.0	52.3	50.3	11.80	23.4

12. CONT'D MANITOBA SILAGE CORN TEST #1 -1988-

Agriculture Canada Research Station, Morden, Manitoba

Date Seeded: May 16, 1988 Plot Size: 9.0m X 0.75m
Date Harvested: September 3, 1988

VARIETY	DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
THOMPSON HL 2260	62	1.9	0.0	54.0	58.3	12.25	21.0
THOMPSON HL 2275	66	0.0	1.0	51.9	61.3	14.07	22.9
THOMPSON HL 2428	66	3.0	0.9	53.4	64.8	13.68	21.0
THOMPSON HL 3282	59	0.9	1.9	56.1	49.2	9.84	19.9
U.CO-OP 2325	61	9.9	0.0	53.9	45.5	12.11	26.5
U.CO-OP 2335	59	1.1	0.0	59.0	48.7	9.33	19.1
U.CO-OP 2350	59	3.2	2.0	53.6	49.6	10.48	21.1
U.CO-OP 6312	58	0.9	0.9	52.9	52.0	11.07	21.2
UGG MAC RL211	59	5.1	0.0	52.2	58.6	10.62	18.1
UGG MAC RL215	62	4.0	0.0	52.3	57.4	10.71	18.6
MEAN	60	2.9	0.9	53.6	54.0	11.48	21.2
C.V.	2	130.2	189.8	6.9	7.3	11.15	15.1
LSD	2	6.2	2.8	5.9	6.3	2.05	5.1

Appendix 13. MCC Grain Corn Recommendation Summary -1985, 1986, 1987, 1988-

VARIETY		DAYS 50 % SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
PIONEER 3995	2150	69	5.2	2.6	49.9	658	30.5	3.82	12.4
LIMAGRAIN L63	2173	69	3.4	4.7	48.7	647	32.1	4.02	12.4
PRIDE K730	2210	73	4.2	3.2	50.4	668	28.2	3.95	13.9
FUNK G4017	2235	73	3.0	1.5	50.4	665	30.0	4.21	14.0
PIONEER 3979	2246	72	1.4	2.4	50.1	623	32.4	4.69	14.4
MEANS OF CHECKS		71	3.5	3.0	49.9	653	30.6	4.11	13.4
FUNK LX151	1989	65	34.0	28.4	50.2	672	25.5	3.11	12.1
CARGILL LX150	2043	66	4.5	0.0	50.2	657	27.8	2.84	10.2
KING AGRO LX149	2047	68	10.3	5.9	49.5	682	24.7	3.08	12.4
MBX005 (MORDEN 85-24)	2098	69	9.2	2.3	47.4	661	26.7	3.39	12.6
NORTHRUP KING B20307	2114	68	6.0	1.9	50.5	664	29.6	3.66	12.3
CARGILL B10324	2121	69	14.6	4.6	49.8	661	28.4	3.68	12.9
PICKSEED 2488	2147	70	5.4	6.9	46.5	648	28.6	3.34	11.6
NORTHRUP KING 85-22	2162	69	5.8	1.3	47.9	679	31.4	3.89	12.3
DEKALB DK233	2187	70	9.0	0.6	49.4	678	31.5	3.90	12.3
UofM C84-18	2196	71	8.8	0.5	50.1	663	30.5	3.76	12.3
THOMPSON HL 3282	2207	71	5.3	2.9	49.9	649	31.3	4.31	13.7
PICKSEED 2435	2209	72	5.5	4.9	49.6	657	29.7	3.65	12.2
UofM C85-5	2209	71	11.3	1.0	50.8	641	31.4	3.84	12.2
PIONEER 3996	2220	72	7.7	3.7	50.7	669	30.6	3.78	12.3
PRIDE K025	2220	73	15.5	1.1	48.1	649	28.9	3.37	11.6
U.CO-OP 2350	2228	73	4.7	4.9	49.9	650	29.5	3.72	12.6
DEKALB DK235	2234	73	2.0	6.6	49.8	640	29.9	4.32	14.4
PICKSEED 2120	2237	71	6.6	3.8	49.6	623	33.4	3.82	11.4
U.CO-OP 2325	2241	75	3.1	5.3	49.8	633	30.7	3.79	12.3
PIONEER 3994	2243	71	4.7	1.7	50.0	635	33.9	3.65	10.7
PIONEER 3969	2248	72	4.4	0.8	50.2	632	32.6	4.55	13.9
FUNK G4067	2252	72	2.7	4.9	47.6	621	32.9	4.06	12.3
CARGILL SX104	2259	72	5.8	1.1	49.7	641	33.3	3.77	11.3
PICKSEED 2477	2266	72	2.5	0.8	49.4	653	33.8	4.01	11.8
U.CO-OP 6312	2268	74	4.8	0.9	50.0	636	30.7	4.02	13.0
DEKALB X603	2273	72	11.7	1.2	49.8	630	34.3	4.21	12.2
THOMPSON HL 3251	2279	72	4.8	5.4	48.1	645	34.8	3.70	10.6
PICKSEED OX828	2286	74	10.3	0.0	50.1	647	32.0	3.76	11.7
NORTHRUP KING PX9028	2287	75	2.0	3.7	50.0	636	30.4	3.94	12.9
FUNK G4083	2288	74	2.8	1.8	49.9	659	32.2	3.71	11.5
UGG MAC RL211	2296	74	8.1	2.5	50.8	661	32.7	3.81	11.6
DEKALB DK246	2304	74	4.5	11.4	48.6	637	33.3	3.80	11.3
PICKSEED 2020	2317	75	2.2	2.1	48.4	639	32.6	3.39	10.4
PRIDE 1111	2329	75	5.4	0.8	48.8	620	33.5	3.97	11.8
PICKSEED 2240	2336	75	2.1	3.2	49.7	650	34.0	3.77	11.1
PICKSEED 2555A	2343	75	5.8	7.6	49.1	623	34.4	4.02	11.6
PIONEER 3953	2347	74	2.1	1.8	48.4	600	36.4	3.88	10.6
UGG MAC RL215	2368	76	1.9	2.1	49.9	645	34.5	3.61	10.4
MEAN		71	6.3	3.6	49.4	647	31.2	3.80	12.1

Appendix 14. MCC Grain Corn Registration Summary -1987, 1988-

VARIETY		DAYS 50% SILK	BROK STALK %	ROOT LODG %	POPN ,000 /HA	DENS KG/M3	MOIST %	YIELD T/HA (DRY)	Y/M INDEX
PIONEER 3995	2150	67	5.2	0.1	48.8	713	24.5	4.29	17.4
LIMAGRAIN LG3	2155	67	1.6	0.3	48.7	717	24.8	4.86	19.5
PRIDE K730	2199	70	5.7	0.2	49.0	731	23.2	4.22	18.1
PIONEER 3979	2224	69	0.9	0.1	48.7	694	26.0	5.52	21.2
FUNK G4017	2254	71	2.6	0.0	49.3	714	25.0	4.70	18.7
MEANS OF CHECKS		69	3.2	0.1	48.9	714	24.7	4.72	19.0
PICKSEED 820498	1965	62	8.2	1.3	48.8	738	20.7	3.55	17.1
LETHBRIDGE LX153	1994	63	2.3	0.0	49.1	712	20.9	3.52	16.7
MBX008 (MORDEN 87-13)	2083	65	7.7	0.0	48.9	712	23.4	4.45	19.0
CARGILL 85307	2091	67	4.9	0.1	49.1	739	21.1	4.28	20.2
MBX002 (BRANDON 841779)	2099	66	5.8	0.1	48.3	692	22.9	3.98	17.3
MBX004 (BRANDON 841878)	2104	66	2.8	0.2	49.4	716	23.2	4.31	18.5
MBX006 (MORDEN 87-07)	2147	67	12.2	0.2	49.1	714	24.3	4.39	18.0
MBX003 (BRANDON 841982)	2151	68	2.4	0.0	48.9	711	23.2	4.04	17.4
UofM C86-6	2155	67	16.2	0.0	48.4	711	24.8	4.29	17.3
U.CO-OP 2335	2161	69	8.7	0.0	48.3	695	22.4	4.11	18.2
MBX007 (MORDEN 87-12)	2167	67	3.1	0.0	48.9	708	25.5	4.86	18.9
UofM C86-1	2168	69	5.3	0.1	49.1	715	22.8	4.06	17.7
UofM C86-3	2169	67	3.8	0.0	48.0	697	25.6	4.37	17.0
MBX001 (BRANDON 841774)	2184	68	2.2	1.2	49.1	698	25.1	4.51	17.9
NORTHRUP KING C0187	2214	70	3.1	0.2	48.6	706	24.1	4.17	17.2
KING AGRO 7-8357	2229	69	3.3	0.0	49.4	711	26.3	4.77	18.1
CARGILL 85127	2235	71	2.9	0.0	48.9	697	23.9	4.18	17.4
KING AGRO 7-8507	2259	71	8.0	0.0	49.0	716	25.3	5.01	19.7
PAYCO 1826	2282	70	4.0	0.0	49.0	688	28.0	5.47	19.4
THOMPSON HL 8701	2305	72	2.1	0.0	49.1	706	26.6	4.53	16.9
THOMPSON HL 8703	2305	72	1.3	0.0	48.6	701	26.6	4.13	15.5
THOMPSON HL 8702	2336	73	1.7	0.0	49.4	700	27.0	4.33	16.0
MEAN		68	4.7	0.1	48.8	709	24.3	4.40	18.1